

**Table 6****Top 50 U.S. baccalaureate-origin institutions of S&E doctorate recipients from 2010–20, by institutional-yield ratio, institutional control, and 2018 Carnegie Classification**

(Number and ratio)

Rank	Baccalaureate-origin institution	S&E doctorate recipients		Institutional control	2018 Carnegie Classification
		Number	Institutional-yield ratio		
1	California Institute of Technology	977	40.9	Private	R1: doctoral universities
2	Harvey Mudd C.	535	28.7	Private	Baccalaureate colleges: arts and sciences focus
3	Massachusetts Institute of Technology	2,309	17.8	Private	R1: doctoral universities
4	Swarthmore C.	628	15.7	Private	Baccalaureate colleges: arts and sciences focus
5	Reed C.	494	15.0	Private	Baccalaureate colleges: arts and sciences focus
6	Carleton C.	768	14.7	Private	Baccalaureate colleges: arts and sciences focus
7	Grinnell C.	478	12.1	Private	Baccalaureate colleges: arts and sciences focus
8	U. Chicago	1,462	12.0	Private	R1: doctoral universities
9	Haverford C.	367	11.3	Private	Baccalaureate colleges: arts and sciences focus
10	Pomona C.	471	11.3	Private	Baccalaureate colleges: arts and sciences focus
11	Rice U.	924	10.9	Private	R1: doctoral universities
12	Princeton U.	1,353	10.8	Private	R1: doctoral universities
13	Williams C., Williamstown	586	10.3	Private	Baccalaureate colleges: arts and sciences focus
14	Case Western Reserve U.	881	9.7	Private	R1: doctoral universities
15	Harvard U.	1,864	9.5	Private	R1: doctoral universities
16	Stanford U.	1,716	9.1	Private	R1: doctoral universities
17	Cornell U.	3,262	9.0	Private	R1: doctoral universities
18	New Mexico Institute of Mining and Technology	177	8.6	Public	M3: master's institutions - smaller program
19	Yale U.	1,226	8.4	Private	R1: doctoral universities
20	Cooper Union for the Advancement of Science and Art	183	8.4	Private	Baccalaureate colleges: diverse fields
21	Brown U.	1,391	8.4	Private	R1: doctoral universities
22	Macalester C.	402	8.4	Private	Baccalaureate colleges: arts and sciences focus
23	U. Rochester	1,103	8.3	Private	R1: doctoral universities
24	Amherst C.	393	8.3	Private	Baccalaureate colleges: arts and sciences focus
25	Whitman C.	323	8.1	Private	Baccalaureate colleges: arts and sciences focus
26	Bryn Mawr C.	274	8.1	Private	Baccalaureate colleges: arts and sciences focus
27	Carnegie Mellon U.	1,123	8.0	Private	R1: doctoral universities
28	Duke U.	1,336	7.9	Private	R1: doctoral universities
29	Wellesley C.	510	7.8	Private	Baccalaureate colleges: arts and sciences focus
30	Oberlin C.	587	7.8	Private	Baccalaureate colleges: arts and sciences focus
31	Johns Hopkins U.	1,221	7.8	Private	R1: doctoral universities
32	Hendrix C.	187	7.4	Private	Baccalaureate colleges: arts and sciences focus
33	Wesleyan U.	582	7.3	Private	Baccalaureate colleges: arts and sciences focus
34	Kalamazoo C.	233	7.3	Private	Baccalaureate colleges: arts and sciences focus
35	Dartmouth C.	847	7.3	Private	R1: doctoral universities
36	Rose-Hulman Institute of Technology	300	7.1	Private	Special focus four-year institution: engineering
37	Rensselaer Polytechnic Institute, Troy	923	7.1	Private	R1: doctoral universities
38	Vassar C.	476	7.0	Private	Baccalaureate colleges: arts and sciences focus
39	Mount Holyoke C.	421	7.0	Private	Baccalaureate colleges: arts and sciences focus
40	Colorado School of Mines	418	6.8	Public	R2: doctoral universities
41	Bowdoin C.	319	6.7	Private	Baccalaureate colleges: arts and sciences focus
42	Washington U., St. Louis	1,168	6.6	Private	R1: doctoral universities
43	Brandeis U.	567	6.6	Private	R1: doctoral universities
44	Columbia U. in the City of New York	1,248	6.4	Private	R1: doctoral universities
45	Worcester Polytechnic Institute	443	6.4	Private	R2: doctoral universities
46	Smith C.	495	6.3	Private	Baccalaureate colleges: arts and sciences focus

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		Number	Institutional-yield ratio		
47	Colby C.	338	6.3	Private	Baccalaureate colleges: arts and sciences focus
48	U. California, Berkeley	4,586	6.2	Public	R1: doctoral universities
49	Lawrence U.	200	6.1	Private	Baccalaureate colleges: arts and sciences focus
50	Scripps C.	133	6.0	Private	Baccalaureate colleges: arts and sciences focus

S&E = science and engineering (includes health fields).

**Note(s):**  
Institutional-yield ratio is the number of S&E doctorate recipients per 100 bachelor’s degrees awarded in all fields 9 years earlier. Only institutions from which 50 or more baccalaureate recipients received S&E doctorate degrees between 2010 and 2020 were included in the analysis. Institutions are ranked on unrounded ratios. Institutions with the same number of doctorate recipients are listed alphabetically. R1: doctoral universities are institutions with very high research activity and R2: doctoral universities are institutions with high research activity.

**Source(s):**  
National Center for Science and Engineering Statistics, Survey of Earned Doctorates; Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System, Completions Survey.